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(54) SYSTEM AND METHOD FOR REMOTE CONTROL AND MANAGEMENT OF WIRELESS DEVICES

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(56) References Cited

U.S. PATENT DOCUMENTS

5,819,177 A * 10/1998 Vucetic et al. 455/425

6,208,853 B1	* 3/2001	LoVasco et al 455/414.1
6,441,747 B1	* 8/2002	Khair et al 340/870.16
2002/0059449 A1	* 5/2002	Wandel et al 709/238

FOREIGN PATENT DOCUMENTS

WO WO 94/30023 * 12/1994

* cited by examiner

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(57) ABSTRACT

A method, system, and computer program product that provides the capability to manage, control, and reconfigure wireless devices remotely over a wireless network with acceptable reliability and security. In one embodiment, the method for remotely managing a wireless device over a wireless network comprising a server and the wireless device, the wireless network operable to communicatively connect the server and the wireless device, comprises the steps of: transmitting registration information relating to the wireless device from the wireless device to the server, verifying the registration information at the server, establishing a mailbox for the wireless device at the server, placing a command for the wireless device in the mailbox, delivering the command from the mailbox to the wireless device, and executing the command at the wireless device.

48 Claims, 5 Drawing Sheets

